

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : SANOSIL AG

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(30)Priority

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(54) DISINFECTANT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a disinfectant that contains silver, inorganic acid, organic stabilizer and hydrogen peroxide, can be used over a wide range of temperature and can eradicate a variety of pathogenic microorganisms.

SOLUTION: To distilled water or perfectly desalted water whose pH is adjusted to ≤ 1.6 with inorganic acid, is added a silver salt or its complex salt is admixed at 50-60° C in an amount of 100 ± 5 g per liter of water and the acid used in the pH adjustment is added so that the amount of the acid becomes at least equimolar to the silver. An organic stabilizer is admixed to the resultant solution at 20-25° C and they are homogenized and the concentrate is mixed with 35-50 vol.% of hydrogen peroxide at the volume ratio of 1/99-1/199 at a temperature of at least 20° C. The ratio is selected so that the silver concentration attains 0.05-0.1 wt.%.